BIRTMAN'S

VISES and HARDWARE

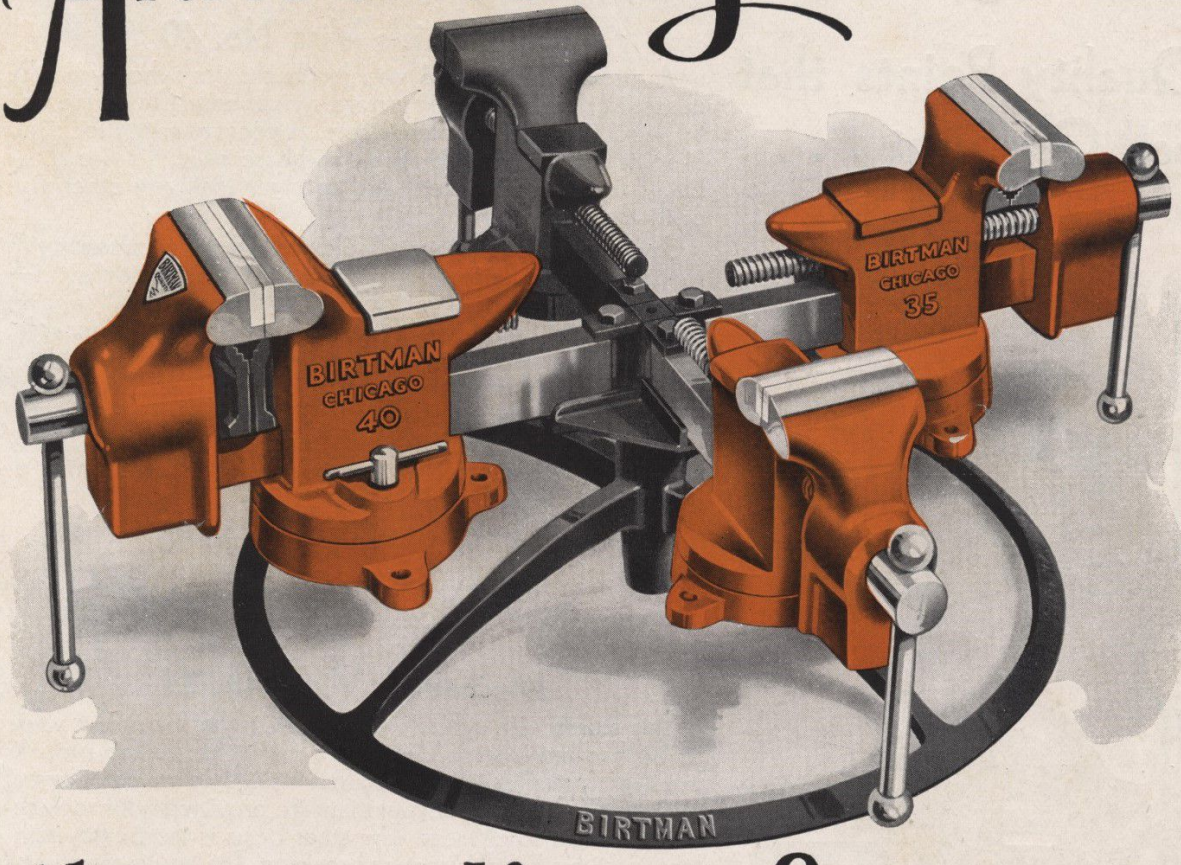
CATALOG No. 31

BIRTMAN ELECTRIC COMPANY

4140 FULLERTON AVENUE

CHICAGO, ILL.

Announcing



the new line of BIRTMAN Quality VISES

Tested and approved . . . selling at popular prices . . . easy to display . . . easy to sell . . . built to "stand the gaff."

For sixty years a vise has always been "just a vise." There was room for improvements—and Birtman has made them. Birtman vises are different . . . they are better . . . new and improved manufacturing facilities and processes have created new standards of value.

The new Birtman 3-point support feature incorporated on the swiveled models was subjected to rigorous laboratory tests in a prominent university, and proved that it requires twice the pressure to break it loose than any other vise of similar size on the market.

In addition to being high quality merchandise, Birtman vises are attractively displayed and practically sell themselves.

SPECIAL LIMITED TIME FREE DISPLAY OFFER

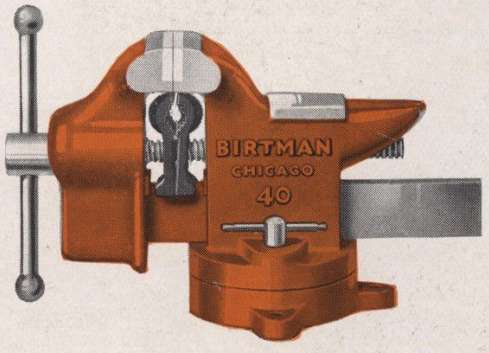
A convenient, rotating display stand as illustrated, is furnished FREE with each initial order for one each of the four models. This makes it easy to examine any vise without lifting. When vises are sold they may be replaced easily and quickly from stock.

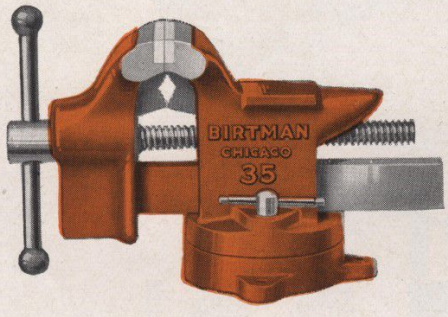
Send in your order now for an initial assortment before this special offer is withdrawn.

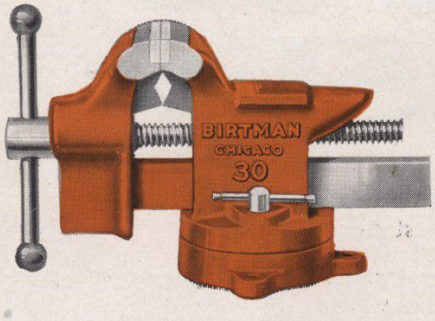
See next page for detailed specifications.

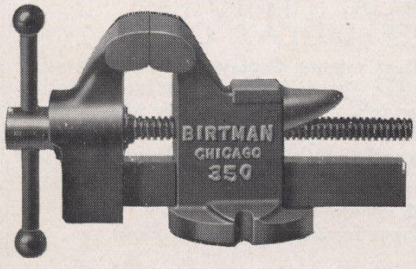
Garage and Mechanic's Vises

Quality Points that Sell On Sight . . . .









Mechanic's Vise No. 40

A massive, reinforced vise for mechanics who want the utmost in this class. An improved swivel base allows the vise to be rotated in a complete circle. A positive acting lock and 3-point bearing between body and base make this vise absolutely rigid when locked, and stronger than any other vise of the same size.

Jaw reinforced around cold rolled steel beam with rounded edges. Reinforced bead around beam. Beam is cut—not sheared—giving a finished appearance and full support when vise is full open. Body and jaw have replaceable, hardened, serrated steel jaws. Operating screw is a one-piece machined forging. Hardened steel detachable pipe jaws. Base is reinforced by ribs on lower sides, which prevents breakage. Exposed head, handles, pads, etc., highly polished and protected by clear lacquer. Overall finish of rich chrome orange.

A very rugged vise that will give a lifetime of service.

Catalog No.	Base	Jaw Width	Jaw Opening	Weight	List*
40	Swivel	4 in.	4 in.	28 lbs.	$7.50

Mechanic's Vise No. 35

This sturdy vise offers the biggest dollar-for-dollar value to be had anywhere. It is of the same type as the No. 40 but slightly smaller, and the chilled pipe jaws are cast integral with body and jaw. Body and jaw are provided with replaceable serrated steel faces. The steel beam is thoroughly reinforced with a bead to reduce breakage. The jaw is reinforced around beam. Operating screw is a one-piece machine forging. Top and sides of pads are rough polished, and the vise has an overall finish of attractive chrome orange as shown.

Catalog No.	Base	Jaw Width	Jaw Opening	Weight	List*
35	Swivel	3½ in.	3¼ in.	18 lbs.	$4.50

Garage Vise No. 30

This dependable vise is the same in every way as the No. 35 described above except that it has a jaw width of 3 inches instead of 3½ inches.

Catalog No.	Base	Jaw Width	Jaw Opening	Weight	List*
30	Swivel	3 in.	3½ in.	14 lbs.	$3.00

Utility Vise No. 350

A good value in a low priced vise. Very satisfactory for occasional or general use around the home. Has a rigid, non-swivelled body, mild steel beam. Screw is a machine forging. Body and jaw align perfectly, with a minimum of lost motion. Cast jaws with chilled serrated faces. Vise has over-all finish of black paint.

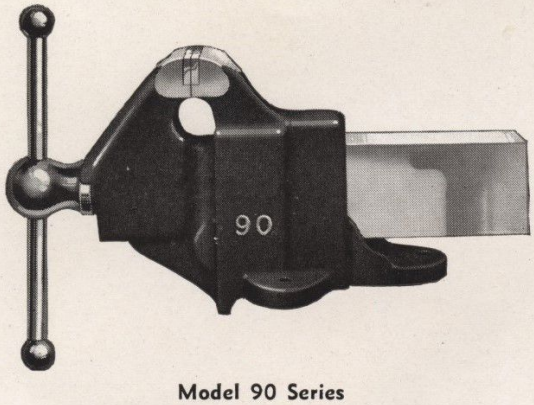
Catalog No.	Base	Jaw Width	Jaw Opening	Weight	List*
350	Rigid	3½ in.	3½ in.	13 lbs.	$2.00

*Prices slightly higher West of the Rockies.

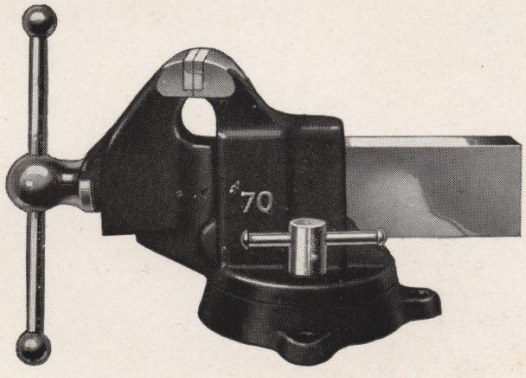
BIRTMAN ELECTRIC COMPANY, CHICAGO

Printed in U. S. A. Form BV1003

Machinist Vises



Model 90 Series



Model 70 Series

These Vises have built up a reputation over a period of years as the line that stands up under day in and day out punishment in heavy shop service.

They are heavy and every pound of metal in them has been distributed to a point where it will furnish maximum strength.

Jaw Faces of high carbon steel are molded rigidly into place, machined to perfect fit, mechanically serrated for uniform grip. Complaint of loose jaws is absolutely unknown on these Vises.

Materials—Body, Sliding Jaws and Base, Cast iron; Screw and Handle, steel; Jaws, high carbon steel painstakingly tempered; Main Nut, malleable iron.

Finish—Jaw Faces, Beam, Handle, etc., ground to a smooth finish and protected by clear lacquer; Body, Base, etc., finished in two coats of Special Maroon automobile lacquer.

STATIONARY BASE

Cat. No.	Jaw Width	Jaw Opens	Weight	List Price*
91	3″	4″	22 lbs.	$10.00
92	3½″	5″	31 lbs.	11.25
93	4″	6″	41 lbs.	12.75
94	4½″	6½″	59 lbs.	15.50
95	5″	7½″	78 lbs.	20.00
96	5½″	8½″	101 lbs.	30.00
97	6″	10″	130 lbs.	39.00
98	7″	12″	226 lbs.	55.00

SWIVEL BASE

Cat. No.	Jaw Width	Jaw Opens	Weight	List Price*
71	3″	4″	27 lbs.	$13.00
72	3½″	5″	36 lbs.	15.00
73	4″	6″	51 lbs.	17.00
74	4½″	6½″	69 lbs.	20.00
75	5″	7½″	95 lbs.	30.00
76	5½″	8½″	123 lbs.	38.00
77	6″	10″	147 lbs.	52.00
78	7″	12″	254 lbs.	70.00

***Prices slightly higher West of the Rockies.**

Heavy Chipping Vises

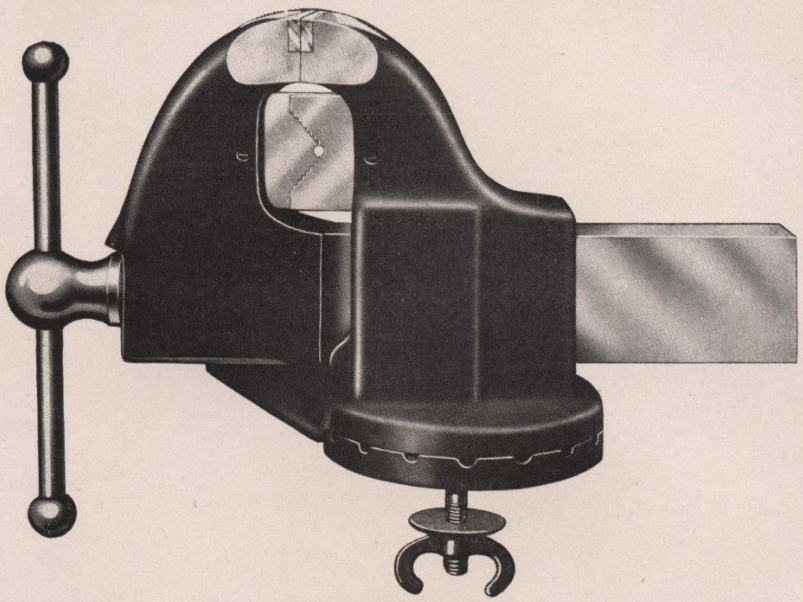
Two particularly rugged vises, similar in every respect to the Machinist vises listed above, but with added metal and re-inforcements to give them the additional strength necessary for the heaviest kind of mill and back-shop service.

Number	Base	Width Jaw	Opens	Weight	List Price
67	Stationary	8 -in.	12½-in.	299 lbs.	$ 75.00
68	Swivel	8⅜-in.	14 -in.	345 lbs.	105.00

Against defective material and workmanship these products are guaranteed for ONE YEAR—and will probably last a lifetime.

BIRTMAN ELECTRIC COMPANY, CHICAGO, ILL. Printed in U. S. A. Form 1102

Combination Pipe Vise



This combination Pipe Vise is a fine Utility Vise—Stationary—Swivel or Pipe.

A piece of equipment found indispensable for all around shop and garage use.

Jaw faces of crucible tool steel are molded rigidly into place and ground to a perfect fit. The complaint of loose jaws is unknown on this Vise.

Materials—Castings are special alloy semi-steel; Screw and Handle, cold rolled steel; Jaw Faces and Pipe Jaws, crucible tool steel, painstakingly tempered; Nut, malleable iron.

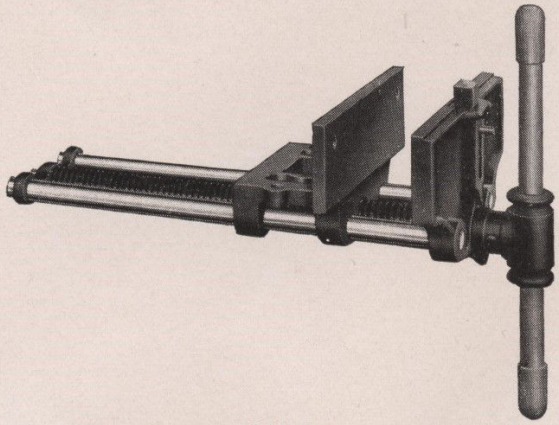
Number	Width Jaw	Weight	Capacity Pipe	List Price	List Jaw Set
141	3½"	56 lbs.	⅛ to 2	$16.00	$2.40
142	4¼"	73 lbs.	⅛ to 3	22.00	3.40
143	5"	116 lbs.	½ to 4	32.00	5.60
144	6"	185 lbs.	½ to 6	45.00	8.00

Against defective material and workmanship these products are guaranteed for ONE YEAR —and will probably last a lifetime.

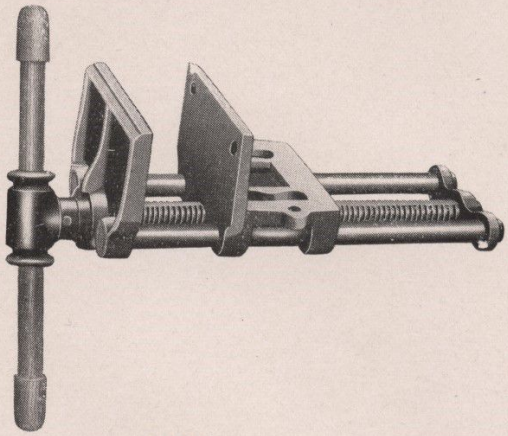
BIRTMAN ELECTRIC COMPANY, CHICAGO, ILL.

Printed in U. S. A. Form 1302

Quick-acting Woodworkers' Vises



461 Series
LUG EQUIPPED



161 Series
STANDARD
(Without Lug)

This Quick Acting Woodworkers' Vise answers every requirement—either in the commercial cabinet shop or in manual training or trade school.

It differs from competitive makes only in that it is simpler—sturdier and is built without triggers, springs or the complicated mechanisms customary in other offerings. Built standard and with adjustable lug to hold wide flat work on the top of the bench.

Materials: Gray iron mixture; Screw—cold rolled steel; Handle—wood; Nut—malleable; Side Rods – cold rolled steel.

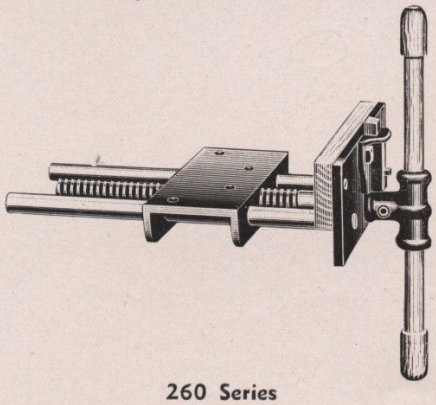
LUG EQUIPPED

Number	Length Jaw	Width Jaw	Opens	Weight	List Price
461	7-in.	4-in.	9-in.	27 lbs.	$8.00
465	10-in.	4-in.	12-in.	31 ½ lbs.	9.00

STANDARD

Number	Length Jaw	Width Jaw	Opens	Weight	List Price
161	7-in.	4-in.	9-in.	26 lbs.	$8.00
165	10-in.	4-in.	12-in.	31 lbs.	8.50

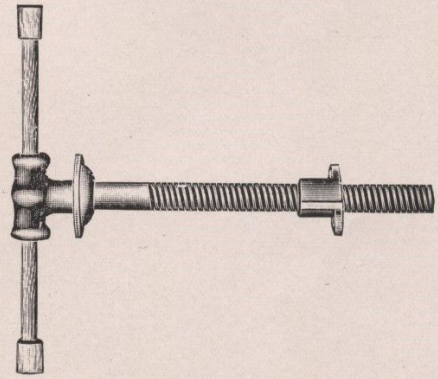
PLAIN SCREW VISE
WITHOUT QUICK-ACTING FEATURE



260 Series

Number	Length Jaw	Opens	Weight	List Price
260	7-in.	9-in.	15 lbs.	$3.00
261	10-in.	9-in.	17 lbs.	4.00

BENCH SCREWS



The Screws are steel; Castings are extra heavy; Handle is hard wood. The threads are accurately cut. These Bench Screws are carefully made and are high-grade goods.

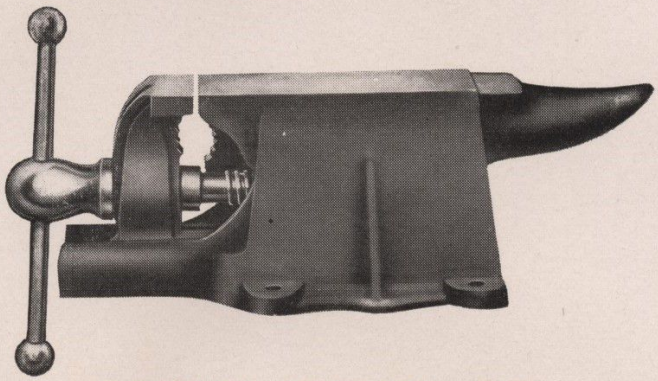
Number	Diameter	Length	List Price
1	1 in.	16 in.	$1.10
1 ⅛	1 ⅛ in.	16 ½ in.	1.40
1 ¼	1 ¼ in.	17 ½ in.	1.60

Against defective material and workmanship these products are guaranteed for ONE YEAR —and will probably last a lifetime.

BIRTMAN ELECTRIC COMPANY, CHICAGO, ILL.

Printed in U. S. A. Form 2102

Farmer Vises

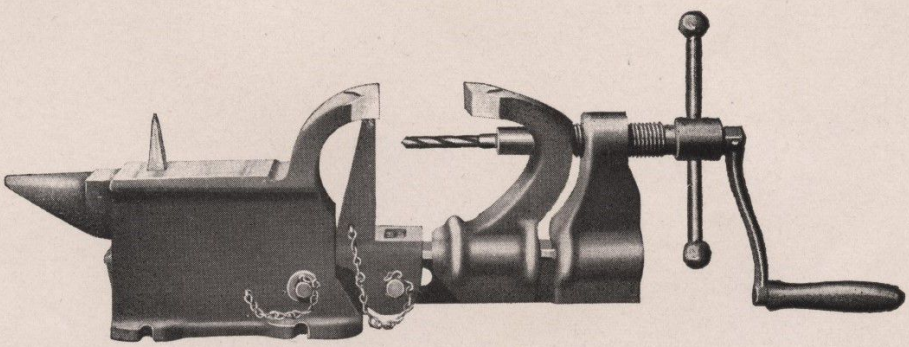


ANVIL VISE No. 380

Combination Anvil Vise with integral pipe jaws. This is one of the handiest combination tools on the market for miscellaneous light work.

Body and Sliding Jaw—Cast iron; Screw and Handle—carefully machined steel; Main Nut—malleable iron.

This is a well finished piece of merchandise. Anvil top, handle, etc., polished to a smooth finish and protected by a coat of clear lacquer. Body finished in two coats of Maroon automobile lacquer.



COMBINATION ANVIL VISE AND DRILL No. 390

This practical combination tool includes an Anvil, Vise and Hand-Drill. Carefully selected materials and fine workmanship make this appliance particularly satisfactory in operation. A glance at the illustration shows the anvil feature with hardy, and a drill combination with drill table. Two stop pins for the drill table and sliding T-beam. The Vise will hold part being drilled. Drill is turned by a malleable iron crank. The Jaw Faces are of special crucible steel, carefully hardened.

Materials—Body, Sliding Jaw, T-Beam and Drill Table, semi-steel alloy; Screw and Handle, steel; Main Nut, malleable iron; Hardie, tool steel.

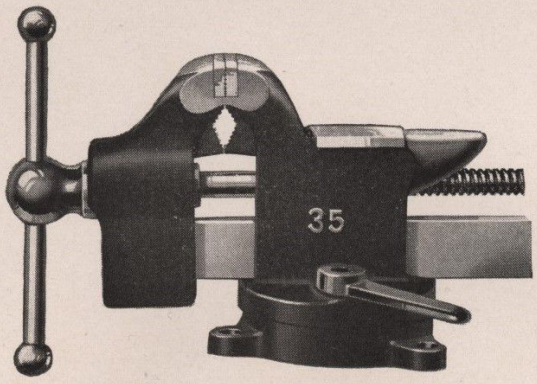
Finish—All working surfaces are smooth ground and are protected by clear lacquer; Body, Sliding Jaw, Drill Table, etc., two coats of Special Maroon automobile lacquer.

Number	Jaw Width	Opens	Weight	List Prices*
380	3"	4"	25 lbs.	$3.20
390	3¾"	8½"	50 lbs.	9.50

*Prices slightly higher West of the Rockies.

BIRTMAN ELECTRIC COMPANY, CHICAGO, ILL. Printed in U. S. A. Form 1802

New Garage Vises



Model 30-35-40

We use a big illustration above because these new offerings are the BIGGEST—dollar for dollar values on the market.

Three vises—three sizes—three weights—a line to satisfy all groups of consumers in this field.

Each is packed full of stamina, ability and selling features.

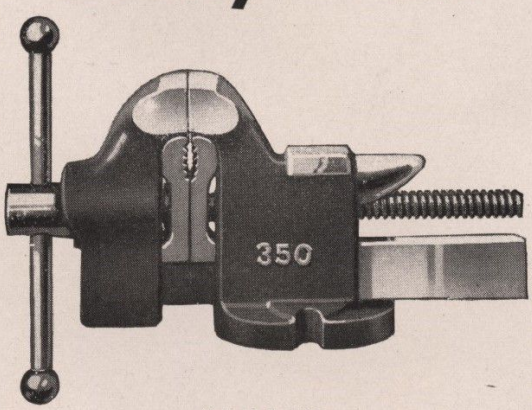
Semi Steel castings—Tough Steel Beam—
Replaceable High Carbon Steel Jaw Faces—
Milled pipe Jaws—Polished faced Anvil—
Full swivel Base—Positive Base Lock—
Fine pitch Screw—Cast-on Screw Head—
Over size Handle—Lacquer finish—
Individual carton packing—Sensational prices.

SPECIFICATIONS

Catalog No.	Jaw Width	Jaw Opening	Pipe Size	Weight	List*
30	3"	3 1/4"	1/4" - 3/4"	14 lbs.	$4.00
35	3 1/2"	3 1/2"	1/4" - 1"	17 lbs.	5.50
40	4"	3 3/4"	1/4" - 1 1/4"	20 lbs.	6.50

***Prices slightly higher West of the Rockies**

Utility Vise



Model 350

Steel beam type with milled jaws and detachable pipe jaws.

A sturdy little vise for general all round use—at an unusual price.

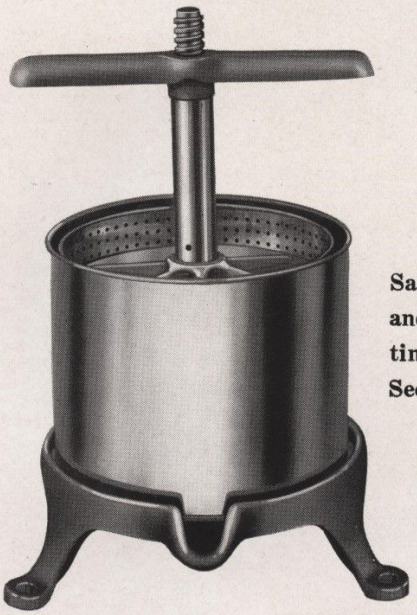
Catalog No.	Jaw Width	Jaw Opening	Weight	List
350	3 1/2"	3 1/2"	12 lbs.	$2.50

BIRTMAN ELECTRIC COMPANY, CHICAGO, ILL.

Printed in U. S. A. Form 1002

Rock Island Fruit Presses

TINNED FINISH



LATER

Same presses, but with base, strainer plate and pressure plate Enamel instead of tinned - at much CHEAPER prices. See list Net Prices to Jobber.

Rock Island Fruit Presses are made of selected materials and are mechanically correct in construction.

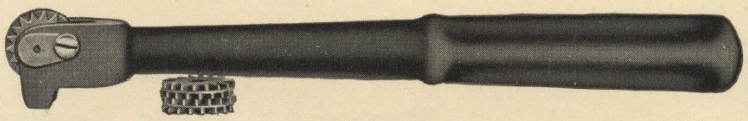
The base, as well as top and bottom press plates are grey iron castings with two coats of heavy tin-plate. The perforated strainer, as well as the outer case, are heavy gauge tin with rolled edges, reinforced with heavy wire. All seams are riveted and thoroughly soldered. Thus all surfaces coming in contact with the fruit are rust-proof.

The screw is made of steel, heavily tinned and has large, heavy thread which assures long life. Screw is fastened to center of base which takes all the strain, reducing the possibility of breakage to a minimum. Operating handle is heavy grey iron finished in lacquer.

This improved construction produces a sturdy, quick-acting Press with pleasing appearance and long life. Made in four sizes as listed below.

Packed—One in a Crate.

Number	Capacity	Shipping Weight
1 -T	2 Quarts	11 lbs.
2 -T	4 Quarts	19 lbs.
2½-T	6 Quarts	21 lbs.
3 -T	10 Quarts	31 lbs.



Rock Island Emery Wheel Dresser

(Huntington Pattern)

FOR truing, shaping and removing glaze from emery wheels while running. The handle of this dresser is a strong, clean, grey-iron casting. The cutters are made from special steel carefully hardened to the proper temper. The dressers are enameled black and one extra set of cutters is furnished with each dresser.

Packed — In bulk as ordered; wrapped singly.

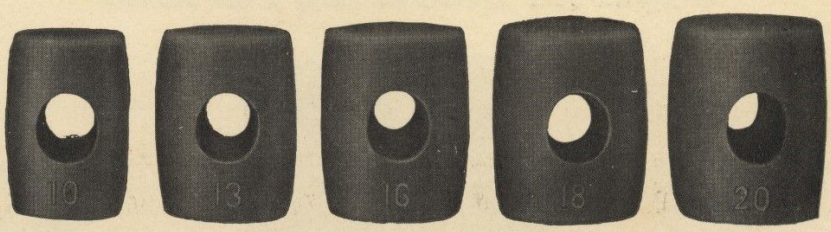
Net Weight each—1½ lbs

Rimco Nail Puller

A WELL-DESIGNED, extra strong nail puller. The rammer is oval and will not roll. The shank is rectangular and fitted with a guard to protect the hand. The jaws are carefully tempered and controlled by a spring so that they are always open and ready for use. Finished in black enamel.

Packed—One, two and three dozen to a case.

Shipping Weight—60, 120 and 170 lbs. per case.

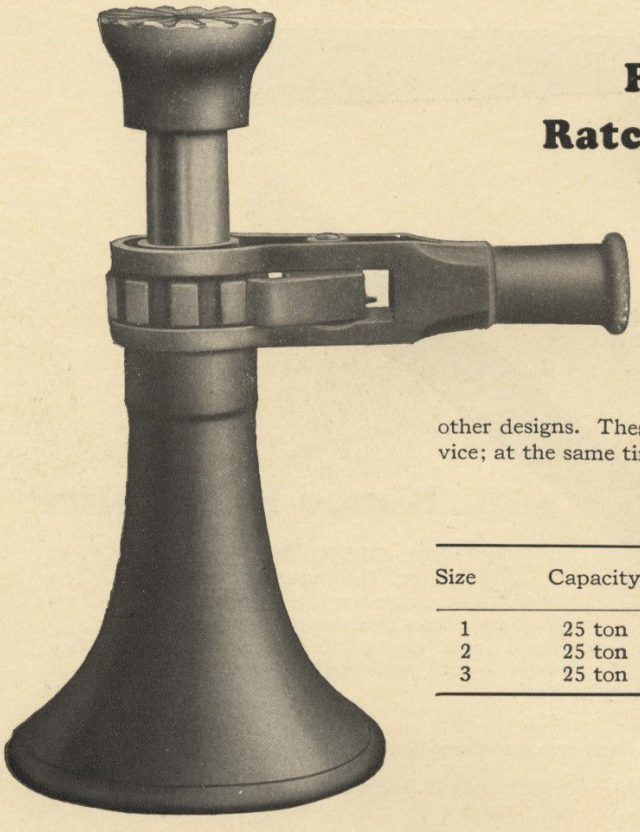


Rock Island Semi-Steel Mauls

THESE Mauls are made of a mixture of iron and steel which is very tough and strong and will not chip off or break in use. They are made in five sizes—10 lbs., 13 lbs., 16 lbs., 18 lbs. and 20 lbs., the weight being marked on each maul. All Rock Island Mauls are carefully ground smooth in the foundry before shipping.

Shipped without packing.

Shipping weight same as weight of maul.



Rock Island Ratchet Jack Screw

THE principal features of the Rock Island Ratchet Jack Screws are the extra heavy, grey-iron base and cap castings, the cold rolled steel screw with heavy, accurately cut threads and the lever of malleable iron. The entire jack is well made and finished in black paint. The three sizes take care of all the ordinary requirements and render it unnecessary to carry a large assortment such as is frequently the case with other designs. These jack screws are made to withstand the heaviest service; at the same time their operation is easy and smooth.

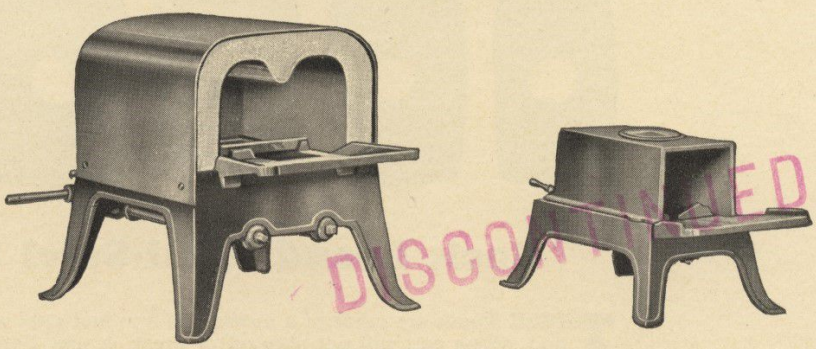
Shipped without packing.

Size	Capacity	Diam. Base	Diam. Screw	Height Closed	Height Open	Net Weight
1	25 ton	9 in.	2 in.	12½ in.	18 in.	40 lbs.
2	25 ton	9 in.	2 in.	15½ in.	24 in.	42 lbs.
3	25 ton	9 in.	2 in.	20½ in.	30 in.	45 lbs.

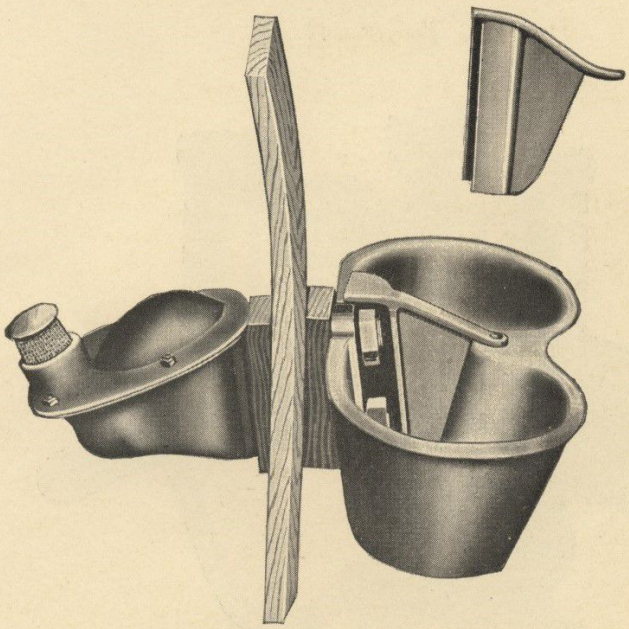
Superior Soldering Furnace

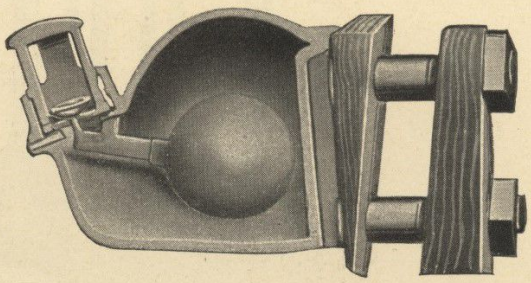
THE Superior Soldering Furnace has been manufactured by us for many years and is the original design. "Superior" Furnaces made by any other manufacturer are IMITATIONS. For tinners, roofers, electrical workers, jewelers, automobile repair shops and manufacturers generally, these furnaces will be found to be a satisfactory and economical means of heating soldering irons. The furnaces burn either natural or manufactured gas and nozzles for both are furnished with each furnace. They are made in four sizes as shown below.

Packed—In bulk as ordered.



Size	Description	Net Weight Each
1	Single burner with cast iron top	7¾ lbs.
2	Double burner with cast iron top	10¼ lbs.
3	Single burner with fire brick top	8½ lbs.
4	Double burner with fire brick top	11½ lbs.





Dewey Stock Waterer

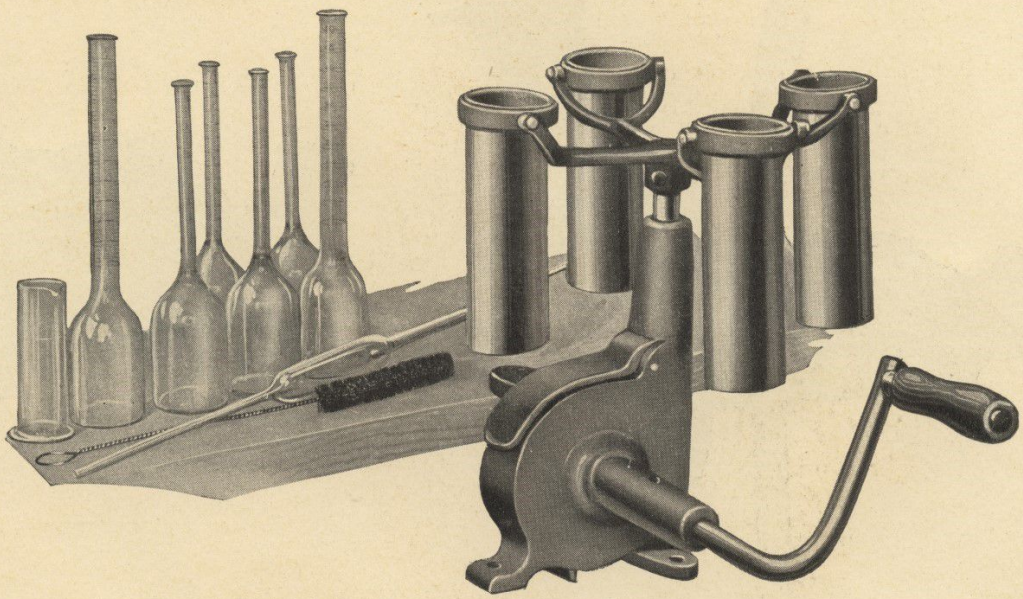
THE "Dewey" was the first successful, automatic stock waterer to be placed on the market. Over one half million Deweys have been sold to date and 95% of all waterers in use are Deweys.

The Dewey waterer can be used for hogs, calves, sheep or poultry. It is easily attached to tank or barrel; never gets out of order and hence never requires repairs or attention. The valve is on the inside of the tank or barrel, in the water and governed by a brass float which cannot rust, leak, freeze or allow mud to collect under it. The method of attachment to tank or barrel is by two nipples fastened with four lock nuts, thus bracing the entire waterer at the same time that it assures secure attachment. It is finished in black air-dry paint.

The Dewey has none of the defects common to other waterers on the market. It has no equipoise valve governed by weight of water in a cup and subject to being overbalanced as soon as a little mud collects in it. It has no drinking cup swinging on a pivot to be rooted up or down or broken off. It has no float or valve in the drinking cup to be frozen with the first frost or packed with mud. It has no rubber hose to break and leak a few months after installation. The illustration above shows the simple, sturdy construction of the waterer and explains why the Dewey can be used year after year without the slightest trouble.

Packed—One in a carton.

Shipping Weight—14 lbs.



Rock Island
Standard Milk Tester

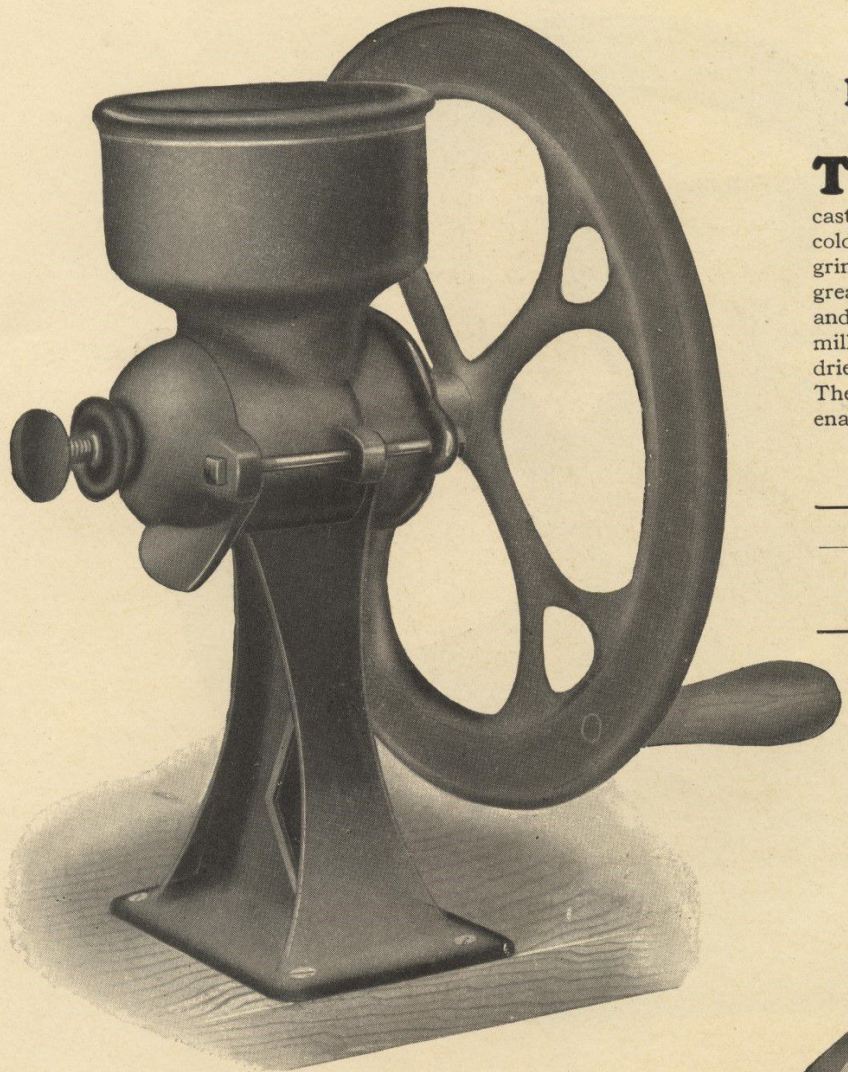
THE Rock Island Milk Tester is a carefully made, finely finished machine, designed to give the individual farmer an inexpensive, reliable means of checking up on his milk and cream and of determining whether his cows are producing cream and butter fat of the proper percentages to entitle him to top prices.

The machine is very ruggedly built, carefully balanced and requires practically no attention. It can be fastened to a bench or table by means of screws or clamped on as shown in the illustration. We furnish complete equipment with each machine: test bottles, measures, cleaning brush and simple directions for making the Babcock test. The machines are finished in French grey baked enamel.

Packed—One in a compact box.

Size	Description	Shipping Weight
~~1~~	~~2 bottle for milk~~	~~18 lbs.~~
2	4 bottle for milk	18 lbs.
~~3~~	~~2 bottle for milk and cream~~	~~18 lbs.~~
4	4 bottle for milk and cream	18 lbs.

#5 Less all glassware & tray

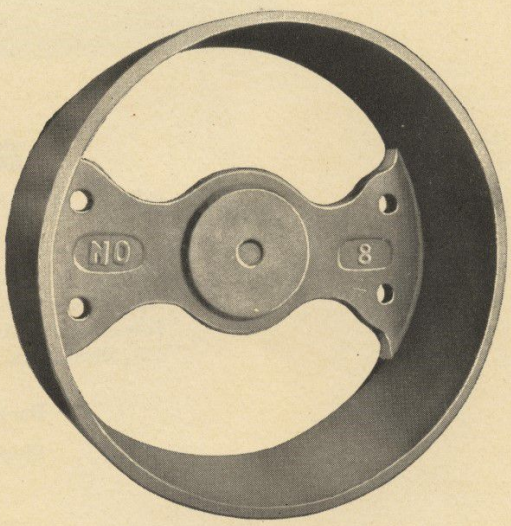


Rock Island Hand Grist Mills

THESE grist mills are characterized by sturdy, simple construction. The castings are fine grain, grey-iron; the shafts cold rolled steel. The burrs which do the grinding (and are therefore subject to the greatest wear) are made of a special alloy and are easily and cheaply replaced. The mills are adapted to grinding corn, coffee, dried bones, dried shells, small grains, etc. They are attractively finished in red enamel.

Packed—One in a crate.

Size	Shipping Weight
1½	25 lbs.
2	42 lbs.
3	76 lbs.

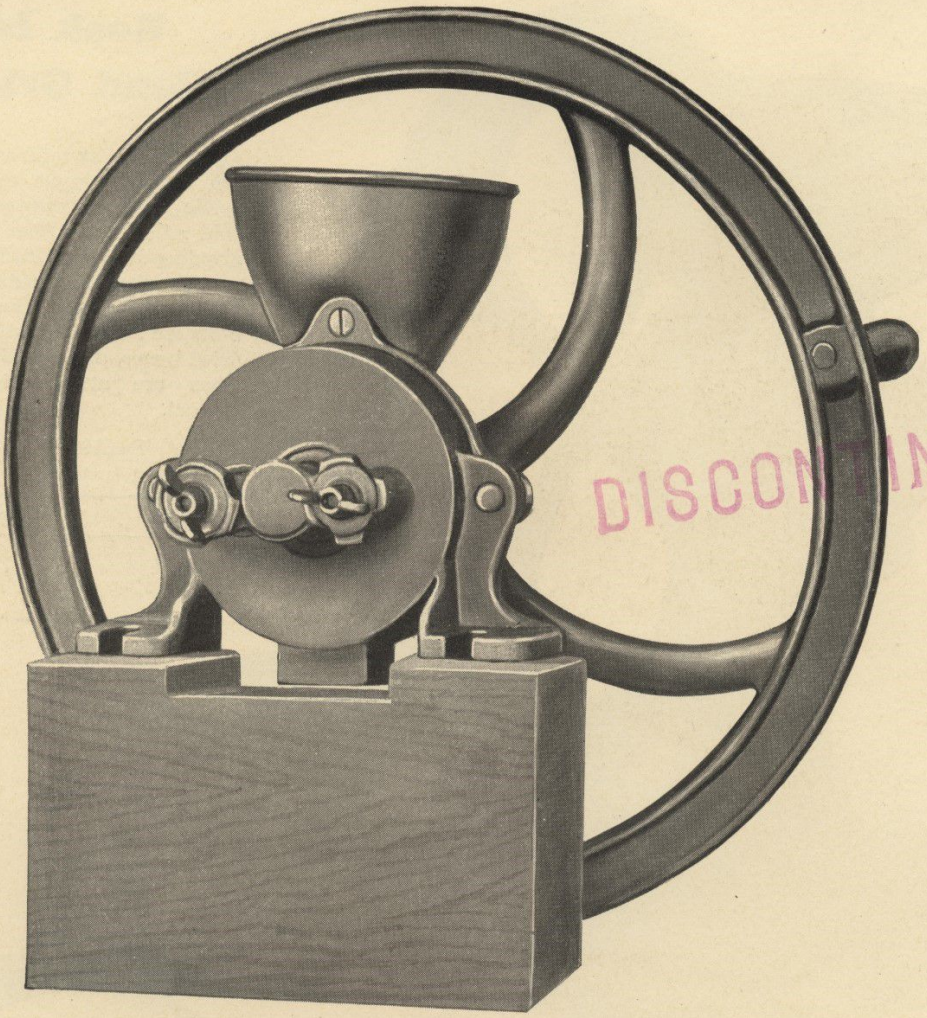


Grist Mill Pulley

THIS pulley is designed to fit the No. 2 and No. 3 grist mills for the purpose of changing them from hand operated to power machines. The pulley is bolted to the spokes on the outside of the grist mill balance wheel with four bolts. Care should be taken to see that these bolts are perfectly tight before using. The belt surface is flat—2½" in width; the diameter is 7½ inches. The Pulley is a fine grain grey-iron casting enameled red.

Packed—In bulk as ordered.

Shipping Weight—5½ lbs.



DISCONTINUED

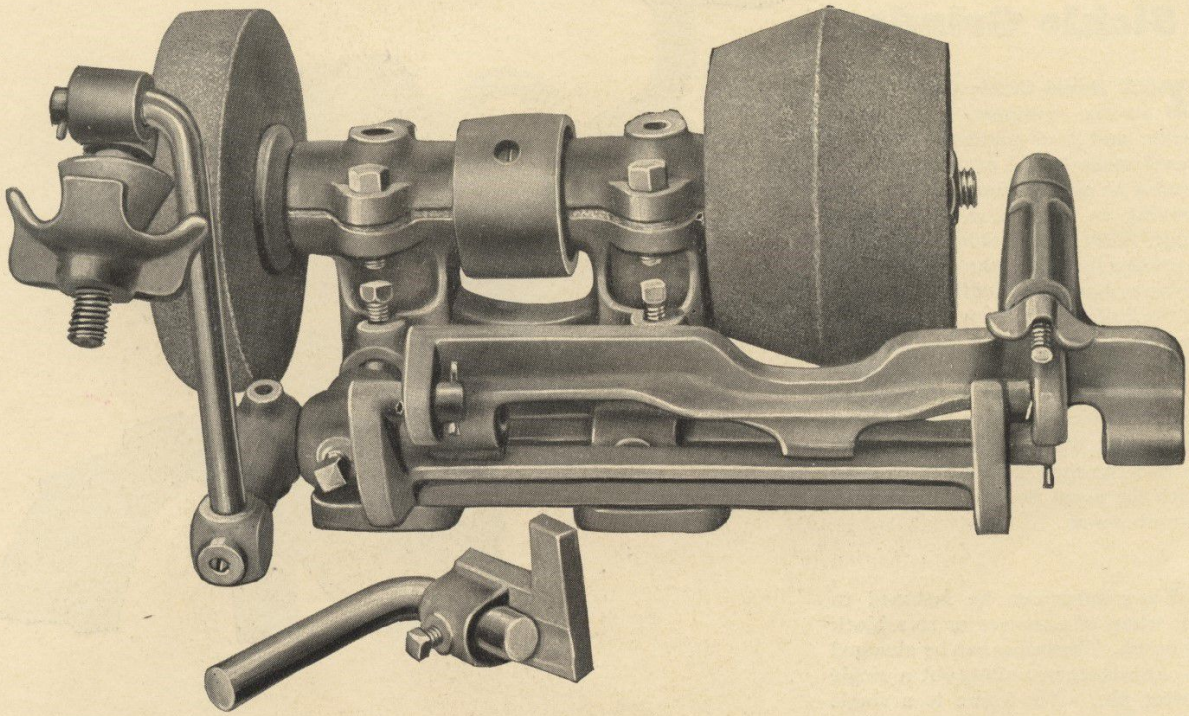
Rock Island
No. 1W Hand Grist Mill

THIS is a special, intermediate weight grist mill of slightly different design from the regular line. It is of exactly the same quality construction throughout, finished in red enamel.

DISCONTINUED

Packed—One mill in a crate.

Shipping Weight—34 lbs.



Rock Island
Power Sickle Grinder

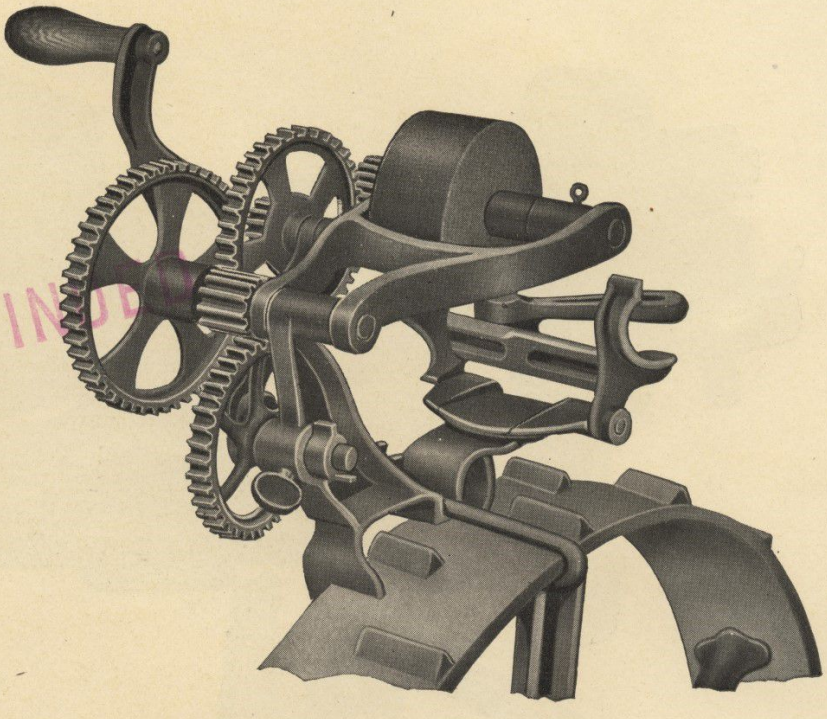
THE Power Sickle Grinder serves the same purpose as the hand grinders with the added feature of operation by power. The power pulley is placed in the center of the grinder with a flat stone on the left side and a large bevel stone on the right side. The bearings in the grinder have been designed and perfected by our own engineers and with proper lubrication will last indefinitely. The knife holder is very easily operated and holds the blades rigidly so that an inaccurate grinding job is impossible. An attachment is provided which makes it possible to use grinding discs of any size up to twenty inches in diameter.

The flat stone is 1¼ inches wide and 6 inches in diameter; the bevel stone is 3½ inches wide and 4 inches in diameter. The machine measures 7 inches high, 16 inches wide and 11 inches long.

Packed—One in a wooden box.

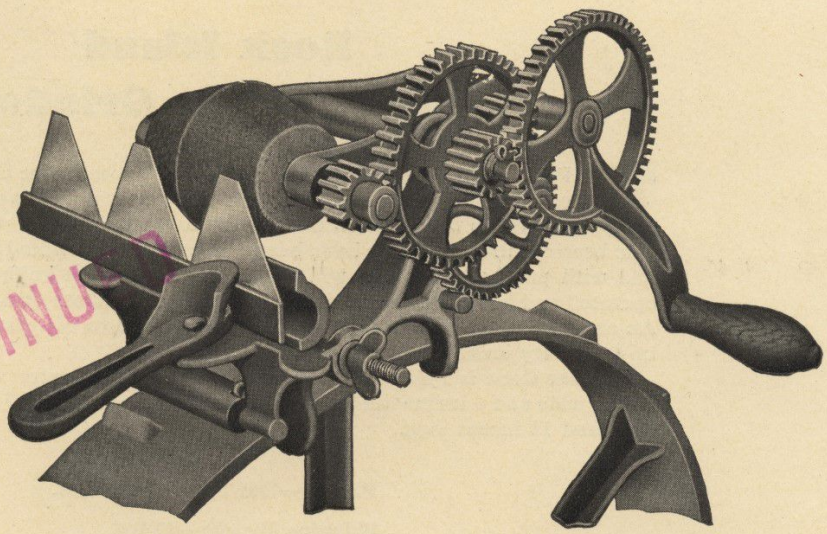
Shipping Weight—42 lbs.

Royal Sickle Grinder



THE Royal Sickle Grinder is a strong, compact combination sickle and tool grinder. With the bevel stone it will grind both sickle blades at once taking out nicks and leaving an even, true, fast cutting edge. With the flat stone it serves as a grinder for any of the ordinary machine or household tools. The design of the knife holder is such that it cannot turn around and the blade is always held in line. The lever which holds the knife, is an effective simple device, enabling the operator to change the position of the knife in half the time that it can be done with the usual design employing a thumb screw.

The grinder can be fastened to the wheel of a mower or to a block or bench. The stones can be changed in one minute by pulling out a single cotter pin. The frame is a single piece, fine grain, grey-iron casting, insuring durability and strength. The stone turns at a very high rate of speed to insure quick work and can be held rigid in any desired position. The entire machine consists of only eleven parts. It is finished in black air-dry paint.



Each machine is furnished with a bevel stone 3½ inches thick, 3¾ inches in diameter. The flat stone is extra. The size of the machine with handle up is 12½ inches high by 12 inches wide by 19½ inches long.

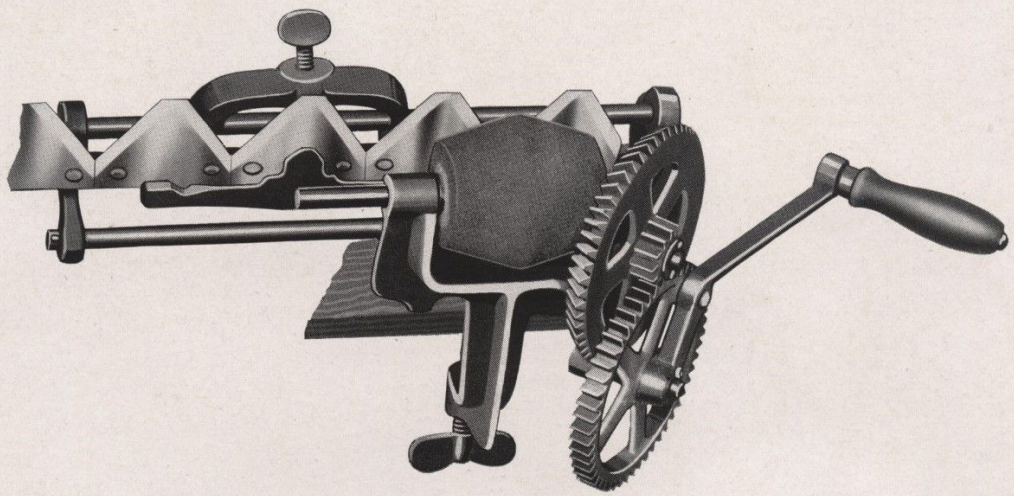
DISCONTINUED
DISCONTINUED

Packed—One in a wooden box.

Shipping Weight (with one stone) —21 lbs.

ROCK ISLAND

Improved Hand Sickle and Tool Grinder

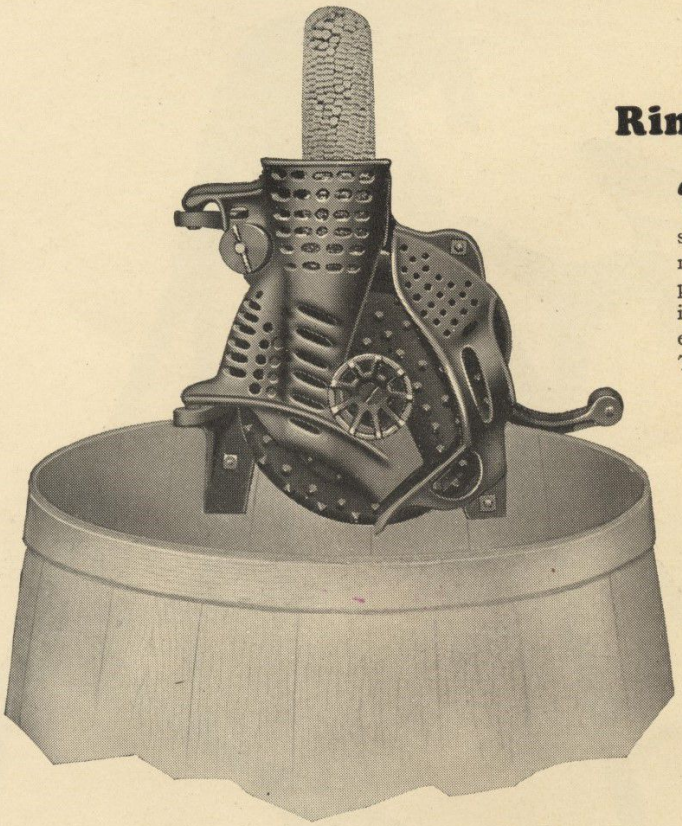


This new Sickle Grinder, after years of successful experience in sickle grinder manufacturing, has been designed particularly for easier handling, as well as faster and more efficient sickle grinding. You will note that the gears are at a much better angle, enabling the operator to stand with right hand on turning handle and left hand guiding the sickle carrier over the stone, and with the greatest possible ease, as standing position is natural and not cramped. By simply sliding carrier along with left hand, six sections can be ground without changing the clamped position of the sickle.

Each machine is furnished with a bevel sickle stone 3½″ thick and 3½″ in diameter. The flat or tool stone is extra, and is 1½″ thick and 4½″ in diameter.

Each Grinder packed individually in a wood box.

Shipping weight 22½ lbs.



Rimco Corn Sheller

THE RIMCO Corn Sheller is a larger, more elaborate machine than the "Rock Island" Model. It shells very rapidly and the adjustable feature permits handling any size of ears. A butting and tipping attachment is also furnished by means of which imperfect grains can be shelled off before shelling the ears for seed. The cobs are discharged separately The sheller can be attached to a box or barrel.

Packed—One in a wooden box.

Shipping Weight—20 lbs.

Rock Island Combination Forge, Anvil, Vise, Drill, etc.

THIS is a combination machine which will be found invaluable to farmers, contractors and others who have to repair implements or machinery under conditions where complete shop equipment is not available. No other combination tool manufactured combines as many features or is suitable for as wide a variety of work. In construction the machine is simple and very rugged and there is no complicated mechanism to break or get out of order. Finished in black paint.

DISCONTINUED

Packed—One in a crate.

Shipping Weight—138 lbs.

Rock Island Foot Power Grinder

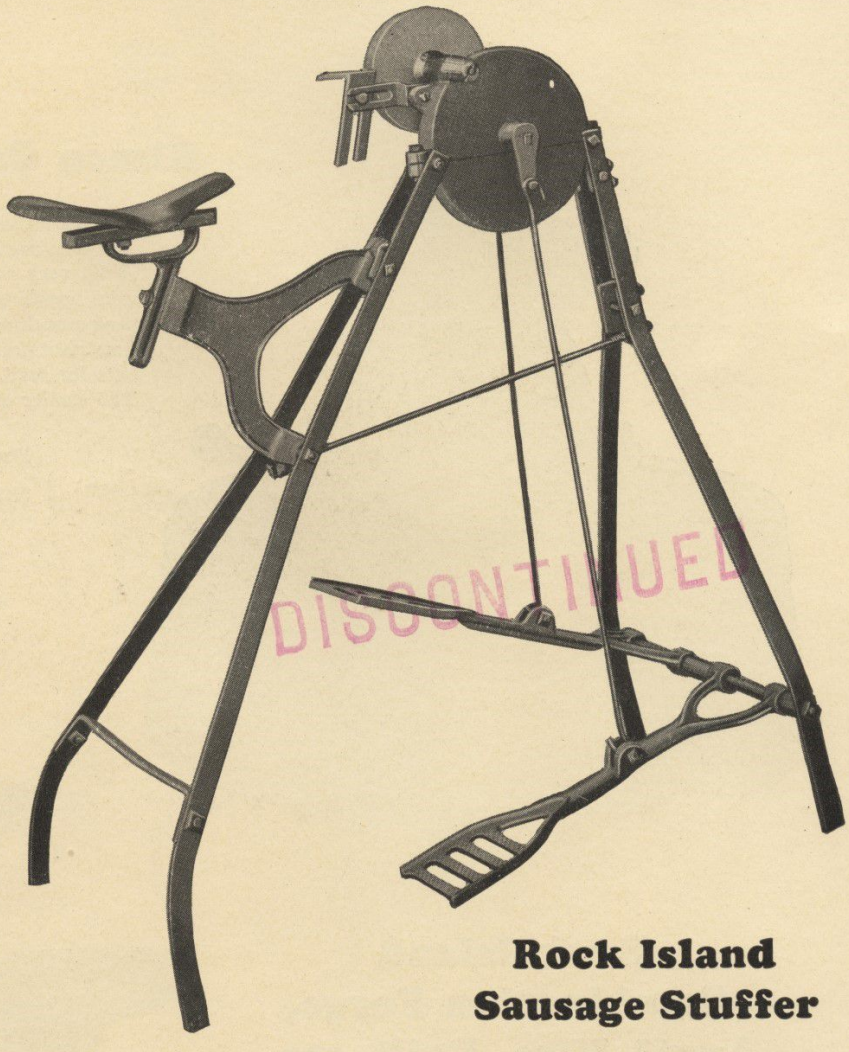
A COMPACT machine for operation by foot power so as to leave both hands free for the work. The mechanism is a combination of gear and crank; the pinion and gear being completely encased and protected from dust, dirt, etc.

The bearings of both gears are in the single casting which forms the upper part of the case, a type of construction which insures absolute alignment and makes it impossible for the pinion to bind or stick. This is an important feature, exclusive in the Rock Island Grinder.

The pinion is cut from a solid piece of steel; the gear is a fine grain, grey-iron casting, with the teeth accurately cut, both having a wide face so as to give long wear. The frame is made of steel bars, well braced and is very strong. The seat is made of pressed steel and can be adjusted to any desired position. One 6-inch by 1¼-inch corundum wheel is supplied with each machine.

Packed—One in a crate.

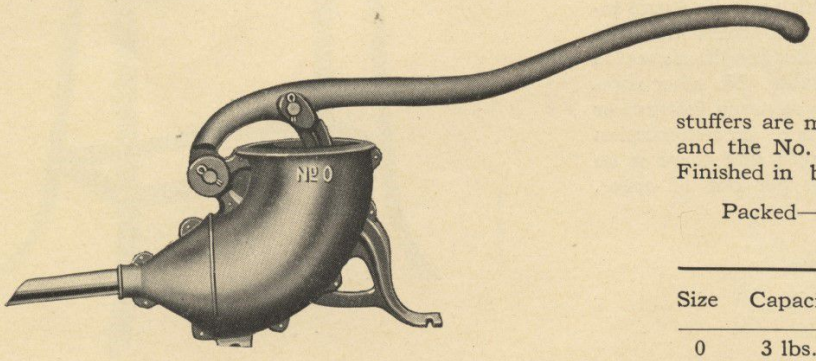
Shipping Weight—42 lbs.



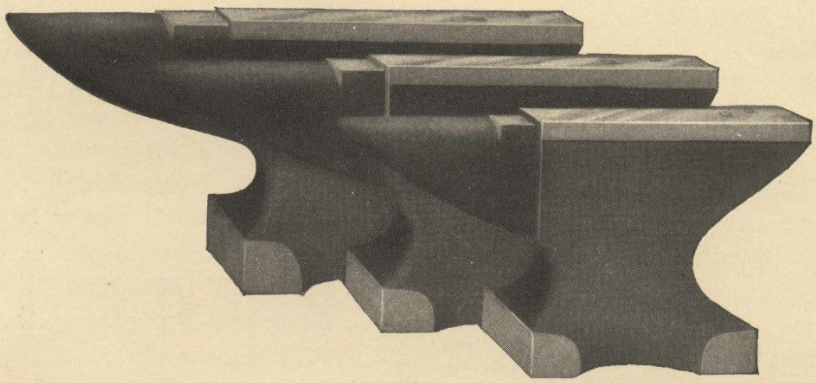
Rock Island Sausage Stuffer

ROCK Island Sausage Stuffers are of standard pattern but unusually carefully made. The body castings are very accurately ground to insure a tight joint and the levers are extra long and heavy so as to give greater ease of operation. The stuffers are made in two sizes, the No. 0 of 3 lbs. and the No. 1 of 2 lbs. capacity, respectively. Finished in black enamel.

Packed—One in a carton—Handle packed and shipped separately.



Size	Capacity	Shipping Wgt. Stuffer	Shipping Wgt. Handle
0	3 lbs.	12¼ lbs.	2 lbs. 13 ozs.
1	2 lbs.	8¼ lbs.	1 lb. 14 ozs.



Rock Island
Semi Steel Anvils

THESE anvils are intended for farm or light shop use. The mixture of which they are cast contains a large percentage of steel, making them hard and tough. The anvils are well finished, the tops being true and carefully polished.

They are made in three sizes only—50 lbs., 70 lbs., and 100 lbs.

Shipped individually without packing.

Shipping Weight—50, 70 or 100 lbs.

and
8 lb. Household

INDEX

HARDWARE SPECIALTIES

Bottle Capper . . . . . Page 3
Brake Shoe (for Ford Car) . . . . . " 8
Clothes Line Reel . . . . . " 7
Decoy Anchor . . . . . " 7
Floor Scraper . . . . . " 4
Fruit Press . . . . . " 2
Hand Trap (Trap Shooting) . . . . . " 3
Lawn Spray . . . . . " 6
Lawn Sprinkler (Revolving) . . . . . " 6
Oar Lock (Safety) . . . . . " 5
Shoe Cleaner . . . . . " 4
Tennis Net Reel . . . . . " 5
Tent Pegs . . . . . " 7

TOOLS and APPLIANCES

Bench Screws . . . . . " 11
Emery Wheel Dresser . . . . . " 13
Grinder (Hand) . . . . . " 9
Grinder (Kitchen) . . . . . " 10
Jack Screw (Ratchet) . . . . . " 14
Mauls (Semi-Steel) . . . . . " 13
Nail Puller . . . . . " 13
Post Drill . . . . . " 11
Riveter . . . . . " 12
Riveter and Punch . . . . . " 12
Soldering Furnaces . . . . . " 14

FARM HARDWARE

Corn Sheller (Rimco) . . . . . Page 23
Corn Sheller (Rock Island) . . . . . " 22
Forge (Combination anvil, vise) . . " 23
Grain Mill (Hand) . . . . . " 25
Grinder (Foot Power) . . . . . " 24
Grinder (Sickle Power) . . . . . " 19
Grinder (Sickle, Royal) . . . . . " 20
Grinder (Sickle, Star) . . . . . " 21
Grist Mill (Hand) . . . . . " 17
Grist Mill (Hand No. 1) . . . . . " 18
Grist Mill Pulley . . . . . " 17
Milk Tester . . . . . " 16
Sausage Stuffer . . . . . " 24
Stock Waterer (Dewey) . . . . . " 15
Wire Stretcher . . . . . " 25

MISCELLANEOUS HARDWARE

Anvils (Semi-Steel) . . . . . " 31
Casters (Roller Bearing) . . . . . " 29
Casters (Stove) . . . . . " 28
Casters (Swivel Truck) . . . . . " 29
Door Catch . . . . . " 30
Iron (Special Common) . . . . . " 27
Sad Irons (Asbestos Lined) . . . . . " 27
Sad Irons (B. O. E.) . . . . . " 26
Sad Irons (Rock Island Standard) " 26
Sad Iron Handles (Mrs. Potts Standard) . . . . . " 28
Screen Corner Bracket . . . . . " 30
Screen Couplings . . . . . " 30